CONTENTS

Volume 29, 1962

Marh. 510.5 D877 V 29

Abian, Alexander and Brown, Arthur B. Fixed points of continuous mappings into Euclidean n-space	647
Abian, Alexander and Brown, Arthur B. Fixed points and coverings under continuous mappings of a spherical shell	653
Adler, Irving. Composition rings.	607
Appling, William D. L. Interval functions and the Hellinger integral	515
Anderson, Douglas R. and Powderly, Mary. Two problems of Hewitt	589
Aronson, D. G. Parabolic equations with non-smooth coefficients	309
Barrett, John H. Two-point boundary problems for linear self-adjoint differential equations of the fourth order with middle term	543
Bender, John. Some extremal theorems for multivalently star-like functions.	101
BILODEAU, G. G. The Weierstrass transform and Hermite polynomials	293
Brace, John W. Compactness in function spaces	157
Brenner, J. L. A new property of the Jacobi symbol	29
Brenner, J. L. Mahler matrices and the equation $QA = AQ^m$	13
Brown, Arthur B. and Abian, Alexander. Fixed points of continuous mappings into Euclidean n-space	647
Brown, Arthur B. and Abian, Alexander. Fixed points and coverings under continuous mappings of a spherical shell	653
Carlitz, L. A note on permutation functions over a finite field	325
Carlitz, L. Generating functions for powers of certain sequences of numbers.	521
Chakerian, G. D. Integral geometry in the Minkowski plane	375
Chover, J. Certain convexity conditions on matrices with applications to Gaussian processes	141
Cohen, Eckford. A corollary of the Goldbach conjecture	625
Collins, H. S. Convergence of convolution iterates of measures	259
CRONIN, JANE. Almost periodic solutions and critical roots	663

Нов

Hu

Hus Kar Kur Kor

LEV

MA

Mc

Ma Ma

MA

ME

Mu

Por Por Rat

RA

Cross, George. Multiple trigonometric series of a particular type	489
Davis, H. S., Stadtlander, D. P. and Swingle, P. M. Semigroups, continua and the set functions T^n	265
DE Branges, Louis. Homogeneous and periodic spaces of entire functions	203
DE Branges, Louis. Symmetry in spaces of entire functions	383
Dudley, R. M. and Randol, Burton. Implications of pointwise bounds on polynomials.	455
Durst, L. K. The growth of Sylvester's cyclotomic numbers	447
Edwards, C. H. Jr. The separation of S^3 by a double torus	1
Fadell, E. Homotopy groups of configuration spaces and the string problem of Dirac	231
Fadell, Edward and Van Buskirk, James. The braid groups of E^2 and S^2	243
Farrell, R. H. Asymptotic renewal theorems in the absolutely continuous case	33
Feldman, Jacob. Subinvariant measures for Markoff operators	71
Frink, Orrin. Pseudo-complements in semi-lattices	505
Gioia, A. A., Subbarao, M. V. and Sugunamma, M. The Scholz-Brauer problem in addition chains	481
Goldberg, J. L. Functions with positive real part in a half-plane	333
Gould, H. W. A new convolution formula and some new orthogonal relations for inversion of series	393
Gould, H. W. Generalization of an integral formula of Bateman	475
Gould, H. W. and Hopper, A. T. Operational formulas connected with two generalizations of Hermite polynomials	51
Halperin, Israel. Unitary dilations which are orthogonal bilateral shift operators	573
Hamstrom, Mary-Elizabeth. Some global properties of the space of homeomorphisms on a disc with holes	657
Harris, W. A. Jr. Singular perturbations of a boundary value problem for a nonlinear system of differential equations	429
Hodges, John H. Generalized weighted m-th power partitions over a finite field	405

CONTENTS

HOPPER, A. T. AND GOULD, H. W. Operational formulas connected with two generalizations of Hermite polynomials	51
Hunter, R. P. and Rothman, N. J. Characters and cross sections for certain semigroups	347
Husemoller, Dale H. Ramified coverings of Riemann surfaces	167
Kadison, Richard. Normalcy in operator algebras	459
KLEPPNER, ADAM. The structure of some induced representations	555
Kodama, Yukihiro. Test spaces for homological dimension	41
Korfhage, Robert R. and Levine, Jack. Automorphisms of Abelian groups induced by involuntary matrices	631
Levine, Jack and Korfhage, Robert R. Automorphisms of Abelian groups induced by involutory matrices	631
Maclane, G. R. The geometry of functions holomorphic in the unit circle, of arbitrarily slow growth, which tend to infinity on a sequence of curves approaching the circumference	191
McKean, H. P., Jr. and Ray, D. B. Spectral distribution of a differential operator.	281
Mamangakis, S. E. Synthetic proof of some prime number inequalities	471
Marcus, Marvin and May, Frank. The maximum number of zeros in the powers of an indecomposable matrix	581
May, Frank and Marcus, Marvin. The maximum number of zeros in the powers of an indecomposable matrix	581
Merkes, E. P. and Scott, W. T. Necessary condition on C-fractions of algebraic functions	151
MINTY, GEORGE J. Monotone (nonlinear) operators in Hilbert space	341
Numakura, Katsumi. Theory of compact rings. III. Compact dual rings	107
Patty, C. W. The homology of deleted products of trees	413
Pollak, Barth. The equation $\mathit{tat} = \mathit{b}$ in a composition algebra	225
Powderly, Mary and Anderson, Douglas R. Two problems of Hewitt	589
RANDOL, BURTON AND DUDLEY, R. M. Implications of pointwise bounds on polynomials.	455
RAY, D. B. AND McKean, H. P., Jr. Spectral distribution of a differential operator.	281

Reid, William T. Ordinary linear differential operators of minimum norm	591
RIORDAN, JOHN. Generating functions for powers of Fibonacci numbers.	5
ROTHMAN, N. J. AND HUNTER, R. P. Characters and cross sections for certain semigroups	347
Roy, Prabir. Separability of connected, locally connected metric spaces	99
Saadaldin, Mohammed Jawad. A generalized Lebesgue covering theorem.	539
Schmidt, Wolfgang M. Two combinatorial theorems on arithmetic progressions	129
Schreiber, M. Absolutely continuous operators	175
Scott, W. T. and Merkes, E. P. Necessary condition on C-fractions of algebraic functions.	151
Stadtlander, D. P., Swingle, P. M. and Davis, H. S. Semigroups, continua and the set functions T^n	265
Subbarao, M. V., Sugunamma, M. and Gioia, A. A. The Scholz-Brauer problem in addition chains	481
Sugunamma, M., Gioia, A. A. and Subbarao, M. V. The Scholz-Brauer problem in addition chains.	481
Swingle, P. M., Davis, H. S. and Stadtlander, D. P. Semigroups, continua and the set functions T^n	265
Thompson, R. C. Commutators of matrices with coefficients from the field of two elements	367
Thron, W. J. Lattice-equivalence of topological spaces	671
TREYBIG, L. B. Concerning local separability in metric spaces	125
Van Buskirk, James and Fadell, Edward. The braid groups of E^2 and S^2	243
Vanden Eynden, C. L. A congruence property of the divisors of n for every n	199
Whyburn, G. T. Monotoneity of limit mappings	465
WIDDER, D. V. Analytic solutions of the heat equation	497
Wiegmann, N. A. Trace properties of semigroups of matrices with quaternion elements.	65
Errata	681



